

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year) **See form PCT/ISA/210**

Applicant's or agent's file reference

2004P00099WO

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/EP2005/050118

International filing date (day/month/year)

13.01.2005

Priority date (day/month/year)

21.01.2004

International Patent Classification (IPC) or both national classification and IPC

H05B6/16, H05B6/36

Applicant

BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/EP

Authorized officer

Facsimile No.

Telephone No.

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Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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| Box No. V | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | |
| 1. Statement | | | |
| Novelty (N) | Claims | 1-19 | YES |
| | Claims | | NO |
| Inventive step (IS) | Claims | 1-19 | YES |
| | Claims | | NO |
| Industrial applicability (IA) | Claims | 1-19 | YES |
| | Claims | | NO |
| 2. Citations and explanations: | | | |
| Reference is made to the following documents: | | | |
| D1: EP-A-0 637 898 (KUSE, KOLJA) 8 February 1995 (1995-02-08) | | | |
| Document D1 is considered to be the closest prior art to the subject matter of claim 2. It discloses (the references between parentheses relate to said document): | | | |
| an apparatus for transmitting energy to an apparatus for heating up food by means of induction, having a primary winding (2) which is formed from a current conductor and is connected to a voltage source, with the primary winding being encapsulated in a winding body by a casting compound (9) (page 5, lines 37 to 57). | | | |
| The subject matter of claim 2 therefore differs from the known apparatus for transmitting energy to an apparatus for heating up food in that the insulating casting compound has a coefficient of thermal expansion which substantially corresponds to that of the winding body. | | | |
| The subject matter of claim 2 is therefore novel (PCT Article 33(2)). | | | |

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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

The problem addressed by the present invention can therefore be considered that of providing apparatuses, in which a high degree of efficiency can be achieved when food is heated.

The apparatus for transmitting energy to an apparatus for heating up food is inventive because neither D1 nor any other prior art document discloses or suggests such an apparatus.

Claim 1 describes an apparatus, in which food can be heated up by means of inductive coupling, having features which are very similar to the features of the apparatus for transmitting energy and therefore likewise meet the PCT requirements for novelty and inventive step.

Claim 3 is dependent on claim 1 or 2 and therefore likewise meets the PCT requirements for novelty and inventive step.

Dependent claims 4 and 5 concern minor structural modifications to the apparatuses as per claims 1 or 2, and therefore likewise meet the PCT requirements for novelty and inventive step.

Claims 6 to 19 are dependent on claims 1, 2, 4 or 5 and therefore likewise meet the PCT requirements for novelty and inventive step.